

Victor M. Reyes Espinoza

<https://github.com/VMReyes>

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EDUCATION

- **Massachusetts Institute of Technology** Cambridge, MA
Bachelor of Science in Computer Science and Engineering; GPA: 4.7 Aug. 2017 - June 2021

EXPERIENCE

- **Google** Mountain View, CA
Software Engineering Intern June 2018 - Present
 - **ChromeOS**: Chrome OS is an operating system designed by Google that is based on the Linux kernel and uses the Google Chrome web browser as its principal user interface.
 - **Linux Build Systems**: Updated over 20 packages on Chrome OS to their latest versions. Applied patches to packages with compilation errors.
 - **Linux Kernel**: Wrote FWUPD plugin to interact with Linux kernel and facilitate updating devices through USB-C.
 - **Code Review**: Submitted and reviewed over 30 commits to the Chrome OS open source repository. Landed over 30 commits.
- **Davis Labs @ MIT** Cambridge, MA
Undergraduate Research Assistant Dec. 2017 - June 2018
 - **Data Science**: Developed software to parse three dimensional mass spectroscopy data. Optimized parser to utilize less than 50mb of RAM.
 - **Pyteomics**: Utilized Pyteomics library to facilitate the storage and indexing of spectra.
- **Google** Los Angeles, CA
CSSI Participant May 2017 - June 2017
 - **Programming Boot-Camp**: Participated in a 3 week intensive coding bootcamp. Received instruction by Google engineers on Python, Javascript, HTML, CSS, Google APIs, and backend services like AppEngine and Datastore.
 - **mid.point**: Led back-end development of web-app to serve the midpoint between users and relevant activities in the area by implementing Geolocation API and Google Places API.
 - **vmreyes.info**: Designed and deployed an automatically generated site to showcase photographs and life events. Back-end implementation received a 95% on performance in Google's Lighthouse benchmark.
- **University of California, Irvine** Irvine, CA
Systems Developer Jul 2016 - Aug. 2016
 - **Raspberry Pi**: A single-board computer with integrated GPIO to enable rapid prototyping.
 - **Stand-alone Internet Radio**: Led the low-level development and fabrication of an infrared controlled Raspberry Pi Pandora internet radio.
 - **Linux LIRC**: Implemented the Linux LIRC libraries to enable remote control interface
 - **Fabrication Technologies**: Utilized computer aided design, laser-cutter, and 3-D printing technologies in UCI's FABWorks Lab.

PROJECTS

- **RSML Toolkit**: Open source python library for MMORPG economy data retrieval, analysis, and machine learning forecasting.
- **ITD? Project**: Open source python python project demonstrating various machine learning methods for facial recognition in pictures.
- **vmreyes.info**: Personal blog website written from scratch. Utilizes Google AppEngine and Datastore backend. Written in Python, CSS, and Javascript.

COURSES AND SKILLS

- **Courses**: Computation Structures, Calculus 2
- **Skills**: Google AppEngine, Datastore, Python, C, ChromeOS